U.S. UTILITY Patent Application Options Options ISSUING CLASS SUBCLASS ART UNIT EXAMINER ATTENDATE SOLICE ATTENDATE ATTENDATE SOLICE ATTENDATE ATTENDATE SOLICE ATTENDATE ATTENDATE ATTENDATE SOLICE ATTENDATE ATTENDATE ATTENDATE SOLICE ATTENDATE ATTENDATE ATTENDATE ATTENDATE SOLICE ATTENDATIONAL CLASSIFICATION SOLICE ATTENDATION CLASSIFICATION SOL	U.S. UTILITY Patent Application OJ.P.E. SCANNED ACTION NO. OJ.P.E. SCANNED ACTION NO. OJ.P.E. SCANNED ACTION OJ.P.E. SCANNED ACTION OJ.P.E. SCANNED ACTION OJ.P.E. PATENT DATE SCANNED ACTION OJ.P.E. PATENT DATE SCANNER PATENT DATE PATE	~ N	Rass			;	PATENT NUMBER
U.S. UTILITY Patent Application O.I.P.E. SCANNED AND OIPE. SCANNED AND OIPE. SCANNED AND OIPE. PATENT DATE SCANNED AND OIPE. PATENT DATE SCANNED AND OIPE. PATENT DATE EXAMINER PTO-SEGO	U.S. UTILITY Patent Application O.I.P.E. SCANNED ADVILLED APPLICATION NO. O9/499933 F 370 SUBCLASS SUBCLASS ART UNIT ORIGINAL ORIGINAL CROSS REFERENCE(6) CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) BITERNATIONAL CLASSIFICATION DISCLAIMER DISCLAIMER Sheets Drvg. Figs. Drvg. Print Fig: Total Claims Print Claim for the spettern aubsequert to aubsequert to aubsequert to aubsequert to the patent and not standard. The term of this patent and not spettern aubsequert to	E	Subsection Subsection (1988)				
U.S. UTILITY Patent Application D.J.P.E. SCANNED AND OJ.P.E. PATENT DATE EXAMINER PTO-See 1370 SSUING CLASSIFICATION CROSS REFERENCE(S) CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) INTERNATIONAL CLASSIFICATION OCCUPIENT OF THE STREET OF THE	U.S. UTILITY Patent Application PATENT DATE SCANNED O.I.P.E. SUBCLASS ART UNIT CROSS REFERENCE(8) CAGSS REFERENCE(8) CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) ORIGINAL CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) OCCURRENCE OCCU	3 P	BSS S S S S S S S S S S S S S S S S S S				
APPLICATION NO. O9/499933 F 370 CLASS SUBCLASS ART UNIT EXAMINER HULL NO 9/499933 F 370 CLASS SUBCLASS ART UNIT EXAMINER HULL NO 9/499933 F 370 CLASS SUBCLASS ART UNIT EXAMINER HULL NO 9/499933 F 370 CLASS SUBCLASS FICATION ORIGINAL CROSS REFERENCE(S) CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) ***TTERNATIONAL CLASSIFICATION** TERMINAL DISCLAMER** DRAWINGS CLAIMS ALLOWED	APPLICATION NO. O9/499933 F 370 SUBCLASS SUBCLASS ART UNIT EXAMINER O9/499933 F 370 S 2/39 EXAMINER O9/499933 F 370 S 2/39 EXAMINER ORIGINAL CROSS REFERENCE(5) CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) NTERNATIONAL CLASSIFICATION DRAWINGS CLAIMS ALLOWED ORIGINAL CROSS REFERENCE(5) CLASS SUBCLASS COLESS ONE SUBCLASS PER BLOCK) NTERNATIONAL CLASSIFICATION DRAWINGS CLAIMS ALLOWED ORIGINAL	2	To si in		Application	, L	
SCANNED SCAN	SCANNED SCAN		35		Application	NT DATE	
APPLICATION NO. 09/439933 F 370 33 2733	SSUING CLASSIFICATION CROSS REFERENCE(S) CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) CROSS REFERENCE(S) CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) CLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) CLASS CL			الرام			ñ*
APPLICATION NO. 09/439933 F 370 33 2739	SSUING CLASSIFICATION Continued on Issue Silp Imide File Jacket Continued on Issue Silp Imide File Jacke	ě	V	SCANNED 44 0.00	MW_		
APPLICATION NO. 09/439933 F 370 33 2733	SSUING CLASSIFICATION CROSS REFERENCE(S) CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) CROSS REFERENCE(S) CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) CLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) CLASS CL	- سر			4071007	LEYAMINER	
ISSUING CLASSIFICATION	ISSUING CLASSIFICATION CROSS REFERENCE(S) CLASS SUBCLASS	·				HUI	1 (11
ISSUING CLASSIFICATION CROSS REFERENCE(S) CLASS SUBCLASS SUBCLASS (ONE SUBCLASS PER BLOCK)	SSUING CLASSIFICATION		09/499933 F	370 つノ	2133	1 1	7019
ISSUING CLASSIFICATION CROSS REFERENCE(6)	SSUING CLASSIFICATION		o Borgan Tayk				
ISSUING CLASSIFICATION CROSS REFERENCE(6)	SSUING CLASSIFICATION		S Mari Sene Syan Sene				
SSUING CLASSIFICATION CROSS REFERENCE(S) CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) INTERNATIONAL CLASSIFICATION Continued on Issue Stip Inside File Jacket The term of this patent aubsequent to Continued on Issue Stip Inside File Jacket The term of this patent aubsequent to Continued on Issue Stip Inside File Jacket The term of this patent aubsequent to Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket The term of this patent and Continued on Issue Stip Inside File Jacket	ISSUING CLASSIFICATION ORIGINAL CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) INTERNATIONAL CLASSIFICATION INTERNATIONAL CLASSIFICATION DISCLAIMER TERMINAL DISCLAIMER Sheets Drwg. Figs. Drwg. Print Fig. NOTICE OF ALLOWANCE MAILE subsequent to		4 830 774			engels of the second	و السريس
SSUING CLASSIFICATION CROSS REFERENCE(S)	ISSUING CLASSIFICATION ORIGINAL CROSS REFERENCE(S) CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) *** **NTERNATIONAL CLASSIFICATION DISCLAIMER Continued on Issue Stip Inside File Jacket Continued on Issue Stip Inside File Jacket DRAWINGS CLAIMS ALLOWED Total Claims Print Claim for Insue Stip Inside File Jacket DISCLAIMER Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for Insue Stip Inside File Jacket NOTICE OF ALLOWANCE MAILE	1.	Hand hand same of a line a	() ក្រុមប្រែកស្រាប់ មាន () មិនបាន។ ស្នាន់ក្នុង	- 1779-214W	i ngara	at the w
CLASS SUBCLASS S	SSUING CLASSIFICATION CROSS REFERENCE(S)						PTO-2040 12/99
CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) INTERNATIONAL CLASSIFICATION INTERNATIO	CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) **TTERMINAL CLASSIFICATION** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILING** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILING** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILING** ISSUE FEE				:		
CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) INTERNATIONAL CLASSIFICATION INTERNATIO	CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) **TERMINAL CASSIFICATION** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** ISSUE FEE	1				0 1	() () () ()
CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) INTERNATIONAL CLASSIFICATION INTERNATIO	CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) **TERMINAL CASSIFICATION** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILE** ISSUE FEE						• **
CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) HTTERMATIONAL CLASSIFICATION	CLASS SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) ***TERMINAL CLASSIFICATION** Continued on Issue Slip Inside File Jacket** NOTICE OF ALLOWANCE MAILING** ISSUE FEE	6		ISSUING CLASSI			
INTERNATIONAL CLASSIFICATION Continued on Issue Slip Inside File Jacket	TERMINAL DRAWINGS CLAIMS ALLOWED	i t	ORIGINAL.				
TERMINAL DISCLAIMER DRAWINGS CLAIMS ALLOWED The term of this patent subsequent to	TERMINAL DISCLAIMER DRAWINGS CLAIMS ALLOWED Total Claims Print Claim for NOTICE OF ALLOWANCE MAILE NOTICE OF ALLOWANCE MAILE NOTICE OF ALLOWANCE MAILE Included in this patent shall not extend beyond the expiration date of U.S Patent. No. (Prinary Examiner) (Date) ISSUE FEE (Prinary Examiner) (Date) ISSUE BATCH NUMBER WARNING:		CLASS SUBCLASS	CLASS SU	BCLASS (ONE	SUBCLASS PER	BLOCK)
TERMINAL DISCLAIMER DRAWINGS CLAIMS ALLOWED Sheets Drwg. Figs. Drwg. Print Fig: Total Claims Print Claim for description of this patent subsequent to	TERMINAL DISCLAIMER DRAWINGS CLAIMS ALLOWED Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for a subsequent to has been disclaimed. The term of this patent shall not extend beyond the expiration date of U.S Patent. No. (Printery Examinar) (Date) ISSUE FEE (Printery Examinar) (Date) ISSUE BATCH NUMBER WARNING:						199
TERMINAL DISCLAIMER Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for NOTICE OF ALLOWANCE MAILE The term of this patent subsequent to (date) has been disclaimed. The term of this patent shall not extend beyond the expiration date of U.S Patent. No. (Primary Examinar) (Date) ISSUE FEE (Primary Examinar) ISSUE BATCH NUMBER	TERMINAL DISCLAIMER DRAWINGS CLAIMS ALLOWED Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for NOTICE OF ALLOWANCE MAILE Local Instruments Examiner) Local Instruments Examiner (Date) ISSUE BATCH NUMBER WARNING:		INTERNATIONAL CLASSIFICATIO	ON	· 3		
TERMINAL DISCLAIMER Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for NOTICE OF ALLOWANCE MAILE The term of this patent subsequent to (date) has been disclaimed. The term of this patent shall not extend beyond the expiration date of U.S Patent. No. (Primary Examinar) (Date) ISSUE FEE (Primary Examinar) ISSUE BATCH NUMBER	TERMINAL DISCLAIMER DRAWINGS CLAIMS ALLOWED Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for NOTICE OF ALLOWANCE MAILE Local Instruments Examiner) Local Instruments Examiner (Date) ISSUE BATCH NUMBER WARNING:	1				in a direction of the same of	See and the second
TERMINAL DISCLAIMER Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for a subsequent to	TERMINAL DRAWINGS CLAIMS ALLOWED Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for subsequent to	157.3					
TERMINAL DISCLAIMER Sheets Drwg. Figs. Drwg. Print Fig: Total Claims Print Claim for NOTICE OF ALLOWANCE MAILE Labeled the specific of this patent shall not extend beyond the expiration date of U.S Patent. No. (Primary Examiner) (Date) ISSUE FEE (Primary Examiner) (Date) ISSUE BATCH NUMBER	TERMINAL DRAWINGS CLAIMS ALLOWED Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for NOTICE OF ALLOWANCE MAILS NOTICE OF ALLOWANCE MAILS NOTICE OF ALLOWANCE MAILS ISSUE FEE Opposite The terminal months of this patent. No. (Date) The terminal months of this patent have been disclaimed. (Legal instruments Examiner) (Date) WARNING:						
TERMINAL DISCLAIMER Sheets Drwg. Figs. Drwg. Print Fig: Total Claims Print Claim for NOTICE OF ALLOWANCE MAILE Labeled the specific of this patent shall not extend beyond the expiration date of U.S Patent. No. (Primary Examiner) (Date) ISSUE FEE (Primary Examiner) (Date) ISSUE BATCH NUMBER	TERMINAL DRAWINGS CLAIMS ALLOWED Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for NOTICE OF ALLOWANCE MAILS NOTICE OF ALLOWANCE MAILS NOTICE OF ALLOWANCE MAILS ISSUE FEE Opposite The terminal months of this patent. No. (Date) The terminal months of this patent have been disclaimed. (Legal instruments Examiner) (Date) WARNING:					ontinued on Issue S	io Inside File Jacket
Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for NOTICE OF ALLOWANCE MAILS subsequent to	DISCLAIMER Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for NOTICE OF ALLOWANCE MAILE NOTICE OF ALLOWANCE MAILE NOTICE OF ALLOWANCE MAILE NOTICE OF ALLOWANCE MAILE ISSUE FEE Orthough Due Date Paic (Primary Examiner) (Date) ISSUE BATCH NUMBER WARNING:					Official Control of the Control of t	
Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for a subsequent to	The term of this patent shall not extend beyond the expiration date of U.S Patent. No. Substitute Print Fig. Total Claims Print Claim for this patent shall not extend beyond the expiration date of U.S Patent. No. Issue FEE						
Sheets Drwg. Figs. Drwg. Drwg. Figs. Drwg. Figs. Drwg. Figs. Drwg.	Sheets Drwg. Figs. Drwg. Finitely. The term of this patent (date) (date) (base base been disclaimed. (Date) (Dat		TERMINAL			<u> </u>	
The term of this patent subsequent to (date) has been disclaimed. The term of this patent shall not extend beyond the expiration date of U.S Patent. No. SSUE FEE	The term of this patent shall not extend beyond the expiration date of U.S Patent. No. The terminalmonths of this patent shall not extend beyond the expiration date of U.S Patent. No. The terminalmonths of this patent have been disclaimed. (Legal Instruments Examiner) (Date) WARNING:		L_I DISCLAIMER	Sheets Drwg. Figs. Drwg.	Print Fig.	Total Claims	Pint Claim for
The term of this patent subsequent to	The term of this patent shall not extend beyond the expiration date of U.S Patent. No. The terminalmonths of this patent shall not extend beyond the expiration date of U.S Patent. No. The terminalmonths of this patent have been disclaimed. (Primary Examiner) (Date)	ġ					
aubsequent to	subsequent to		The time of this potent		11.1	NOTICE OF A	LLOWANCE MAILE
has been disclaimed. The term of this patent shall not extend beyond the expiration date of U.S Patent. No. ISSUE FEE (Primary Examiner) ISSUE BATCH NUMBER	has been disclaimed. The term of this patent shall not extend beyond the expiration date of U.S Patent. No. ISSUE FEE Optional Due Date Paid (Primary Examiner) ISSUE BATCH NUMBER (Legal Instruments Examiner) WARNING:	• (subsequent to (date)	Book	(Data)	*	
(Primary Examinest) (Date) ISSUE BATCH NUMBER The terminalmonths of	(Primary Examiner) (Date) The terminalmonths of this patent have been disclaimed. (Legal instruments Examiner) (Date) WARNING:			10000			· · · · ·
(Primary Examiner) (Date) ISSUE BATCH NUMBER The terminalmonths of	(Primary Examiner) (Date) The terminalmonths of this patent have been disclaimed. (Legal instruments Examiner) (Date) WARNING:		The term of this patent shall not extend beyond the expiration date	VIIIC	Mir wil	10	CITE EEE
(Primary Examiner) (Date) ISSUE BATCH NUMBER In the terminalmonths of	(Primary Examiner) (Date) The terminalmonths of this patent have been disclaimed. (Legal instruments Examiner) (Date) WARNING:	1				() d	
☐ The terminalmonths of	The terminalmonths of this patent have been disclaimed. (Legal Instruments Examiner) WARNING: ISSUE BATCH NUMBER (Coate) WARNING:			0 Ve		- Christian Due	Date Fait
☐ The terminalmonths of	The terminalmonths of this patent have been disclaimed. (Legal instruments Examiner) (Date) WARNING:	1		(Primary Examiner)	(Date)	,	
	this patent have been disclaimed. (Legal Instruments Examiner) (Date) WARNING: WARNING: (Legal Instruments Examiner) (Date)					ISSUE B	ATCH NUMBER
this patent have been disclaimed. (Legal instruments Examiner) (Date)	WARNING:		☐ The terminalmonths of		.·		•
	WARNING:		this patent have been disclaimed.	(Legal instruments Examiner)	(Date)		
Possession outside the U.S. Patern & Trademark The	TOURS OF THE PROPERTY OF THE P						

Form PTO-438A (Rev. 6/99)

FILED WITH: DISK (CRF)

FICHE CD-ROM